

AMENDMENTS TO THE ABSTRACT

~~The present invention relates to a~~ A nail and screw system (1) for improving the fixation of proximal fractures of the humerus, including at least a ~~Numeral humeral~~ humeral nail (46) to be inserted in a ~~Numeral humeral~~ shaft (9) and ~~comprising at least including~~ including a proximal transversal hole (5) for the passage of a corresponding locking screw (3), ~~the screw (3) having a screw head (4) and a screw body (31).~~ Advantageously, the nail is cannulated and the transversal hole (5) ~~comprises~~ is ~~formed of~~ a couple of opposite holes (6', 6'') on ~~opposite a~~ wall of the cannulated nail (40); the hole (6) closer to the screw head (4) has an internal ~~partially~~ threaded portion (28) and the corresponding screw (2) has an outside thread diameter smaller than the diameter of said ~~at least one the~~ transversal hole (27) ~~that receives such a screw~~. The partially threaded portion (28) works as a portion of nut screw but ~~doesn't~~ does not interfere with the screw during the normal insertion. In case of a undesired movement or displacement of the screw (3) after its final fastening or in use, the internal threaded portion (28) ~~solve the problem engaging~~ engages the threaded portion of the screw (3) ~~at least~~ in a crest to crest fashion.